

Please type a plus sign (+) inside this box. +

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

|  |   |                          |                  |
|--|---|--------------------------|------------------|
| Substitute for form 1449A/PTO                            |   | <b>Complete if Known</b> |                  |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> |   | Application Number       | Not yet assigned |
| (use as many sheets as necessary)                        |   | Filing Date              | June 28, 2001    |
|  |   | First Named Inventor     | Keeth et al.     |
|  |   | Group Art Unit           | Not yet assigned |
|  |   | Examiner Name            | Not yet assigned |
| Sheet  | 1 | of                       | 3                |
|  |   | Attorney Docket Number   | DB000575-014     |



## U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | U.S. Patent Document |                                   | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|--------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
|                    |                       | Number               | Kind Code <sup>2</sup> (if known) |   |  |   |
|                    |                       | 6,043,118            |                                   | Suwanai et al.                                  | 03/28/2000                                       |   |
|                    |                       | 5,960,455            |                                   | Bauman  | 09/28/1999                                       |   |
|                    |                       | 5,838,627            |                                   | Tomishima et al.                                | 11/17/1998                                       |   |
|                    |                       | 5,677,645            |                                   | Merritt   | 10/14/1997                                       |   |
|                    |                       | 5,651,011            |                                   | Keeth   | 07/22/1997                                       |   |
|                    |                       | 5,614,859            |                                   | Ong   | 03/25/1997                                       |   |
|                    |                       | 5,574,697            |                                   | Manning   | 11/12/1996                                       |   |
|                    |                       | 5,557,579            |                                   | Raad et al.                                     | 09/17/1996                                       |   |
|                    |                       | 5,552,739            |                                   | Keeth et al.                                    | 09/03/1996                                       |   |
|                    |                       | 5,526,364            |                                   | Roohparvar                                      | 06/11/1996                                       |   |
|                    |                       | 5,519,360            |                                   | Keeth   | 05/21/1996                                       |   |
|                    |                       | 5,481,179            |                                   | Keeth   | 01/02/1996                                       |   |
|                    |                       | 5,379,263            |                                   | Ogawa et al.                                    | 01/03/1995                                       |   |
|                    |                       | 5,373,227            |                                   | Keeth   | 12/13/1994                                       |   |
|                    |                       | 5,266,821            |                                   | Chern et al.                                    | 11/30/1993                                       |   |
|                    |                       | 5,231,605            |                                   | Lee   | 07/27/1993                                       |   |
|                    |                       | 5,212,440            |                                   | Waller  | 05/18/1993                                       |   |
|                    |                       | 5,159,273            |                                   | Wright et al.                                   | 10/27/1992                                       |   |
|                    |                       | 5,155,704            |                                   | Walther et al.                                  | 10/13/1992                                       |   |
|                    |                       | 4,970,725            |                                   | McEnroe et al.                                  | 11/13/1990                                       |   |

## FOREIGN PATENT DOCUMENTS

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

of

3

## Complete if Known

|                      |                  |
|----------------------|------------------|
| Application Number   | Not yet assigned |
| Filing Date          | June 28, 2001    |
| First Named Inventor | Keeth et al.     |
| Group Art Unit       | Not yet assigned |
| Examiner Name        | Not yet assigned |

Attorney Docket Number

DB000575-014

## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
| /                  |                       | SUGIBAYASHI ET AL., "A 30-ns 256-Mb DRAM with a Multidivided Array Structure", IEEE Journal of Solid-State Circuits, Vol. 28 (No. 11), (November 1993)  |                |
| /                  |                       | TAGUCHI ET AL., "A 40-ns 64-Mb DRAM with 64-b Parallel Data Bus Architecture", IEEE Journal of Solid-State Circuits, Vol. 26 (No. 11), (November 1991)  |                |
| /                  |                       | KITSUKAWA ET AL., "256-Mb DRAM Circuit Technologies for File Applications", IEEE Journal of Solid-State Circuits, Vol. 28 (No. 11), (November 1993)   |                |
| /                  |                       | JEDEC SOLID STATE PRODUCTS ENGINEERING COUNCIL, "Committee Letter Ballot", JC-42.3-95-73, Item #633.13, Arlington, VA (April 1995)  |                |
| /                  |                       | YOO ET AL., "SP 23.6: A 32-Bank 1Gb DRAM with 1 GB/s Bandwidth", ISSCC96/Session 23/DRAM/PAPER SP 23.6  |                |
| /                  |                       | NITTA ET AL., "SP 23.5: A 1.6GB/s Data-Rate 1Gb Synchronous DRAM with Hierarchical Square-Shaped Memory Block and Distributed Bank Architecture", ISSCC96/Session 23/DRAM PAPER SP 23.5   |                |
| /                  |                       | U.S. Patent Application S.N. 08/521,563, entitled IMPROVED VOLTAGE REGULATOR CIRCUIT, filed 8/30/95   |                |
| /                  |                       | U.S. Patent Application S.N. 08/668,347, entitled DIFFERENTIAL VOLTAGE REGULATOR, filed 6/26/96   |                |
| /                  |                       | U.S. Patent Application S.N. 08/460,234, entitled SINGLE DEPOSITION LAYER METAL DYNAMIC RANDOM ACCESS MEMORY, filed 8/17/95   |                |
| /                  |                       | U.S. Patent Application S.N. 08/420,943, entitled DYNAMIC RANDOM-ACCESS MEMORY, filed 6/4/95  |                |
| /                  |                       | U.S. Patent Application S.N. 08/194,184, entitled INTEGRATED CIRCUIT POWER SUPPLY HAVING PIECEWISE LINEARITY, filed 2/8/94  |                |

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |  |                         |           |                                 |                               |
|--|--|-------------------------|-----------|---------------------------------|-------------------------------|
| <p>Substitute for form 1449B/PTO</p> <p><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b></p> <p><i>(use as many sheets as necessary)</i></p> |  |                         |           | <p><b>Complete if Known</b></p> |                               |
| <p>Sheet</p>   |  | <p>3</p>                | <p>of</p> | <p>3</p>                        | <p>Attorney Docket Number</p> |
| <p>Application Number</p>  |  | <p>Not yet assigned</p> |           |                                 |                               |
| <p>Filing Date</p>   |  | <p>June 28, 2001</p>    |           |                                 |                               |
| <p>First Named Inventor</p>  |  | <p>Keeth et al.</p>     |           |                                 |                               |
| <p>Group Art Unit</p>  |  | <p>Not yet assigned</p> |           |                                 |                               |
| <p>Examiner Name</p>   |  | <p>Not yet assigned</p> |           |                                 |                               |

## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
|                    | ✓                     | U.S. Patent Application S.N. 08/137,679, entitled A VOLTAGE REFERENCE CIRCUIT WITH COMMON GATE LOADING FOR A CURRENT MIRROR OUTPUT STAGE, filed 10/14/93  |                |
|                    | ✓                     | U.S. Patent Application S.N. 08/325,766, entitled AN EFFICIENT METHOD FOR OBTAINING USABLE PARTS FROM A PARTIALLY GOOD MEMORY INTEGRATED CIRCUIT, filed 10/19/94  |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |
|                    |                       |   |                |

|                       |  |                    |  |
|-----------------------|--|--------------------|--|
| Examiner<br>Signature |  | Date<br>Considered |  |
|-----------------------|--|--------------------|--|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.